

USB to RS485 converter

Features

- ◇ Small volume, easy installation
- ◇ No power supply needed, plug and play
- ◇ Transmit distance reach up to 1800M at the rate of 9.6kbps
- ◇ Automatic send data control, auto distinguish and sense direction adopt data transfer
- ◇ Auto sense serial signal rate, zero delay automatic transmit



Introduction

LBUSB16485B is a kind of USB to RS-485 industrial intelligent converter. It is the best solution for the communication between USB and

RS-485. Compared with RS-232 to RS-485 converter, LBUSB16485B USB to RS-485 converter has many advantages

Specifications

USB

Compliance: USB1.0/1.1 compliant, USB 2.0 compliant

Connector: USB type A

Speed: 12Mbps(Full-speed USB)

Serial interface

Numbers of ports: 1

Serial standards: RS485

Connector: DB9 male

Serial Line protection

ESD Protection: 15KV embedded

Performance

Baudrate: 300bps to 115200bps

Serial Communication Parameters:

Data Bites: 5, 6, 7, 8

Stop Bits: 1, 1.5, 2

Parity: None, Even, Odd, Space, Mark

Flow Control: RTS/CTS, XON/XOFF

FIFO: 64 bytes

Serial Signals:

RS-485: D+, D-, GND

Loading: 32 nodes or custom 128 nodes

Transmission: RS-485 1800M(115200bps), USB 5M

Driver Support:

Operating System: Windows(98,2000, XP, 2003)

Physical Characteristics

Weight:

Products only: 70g

Packaged: 120g

Dimension: 70mm*35mm*18mm(wiring 1.5m)

Environment:

Working temperature: -20 to 60°C

Storage temperature: -25 to 85°C

Humidity: Relative humidity 5% to 95%

Power requirements:

No power supply needed, powered from USB

Consumption: Static consumption less than 80mA, dynamic average consumption less than 150mA

Warranty: 3 years

Ordering Information

LBUSB16485B USB to RS-485 converter

LBUSB16485C USB to RS-485/422 converter

Package checklist

1 USB to RS485 LBUSB16485B, 1 Document and software CD, 1 3bits terminal block